



CPRS GUI

Getting Started

April 1999

**Computerized Patient Record System Product Line
Veterans Health Administration
Department of Veterans Affairs**

Revision History

Date	Page	Change
10/20/98	14 29	Added "Add New Orders" description and screen capture. Added acronym list
1/14/99	16	Added Order Actions descriptions
3/26/99	13, 19	Added description of + in front of lab orders
4/26/99	26	Added description of Customizing Order List

Contents

1. INTRODUCTION TO CPRS	4
2. STARTING CPRS	6
Selecting a patient	5
Notifications	6
3. COVER SHEET	8
4. ELECTRONIC SIGNATURE	10
5. PROBLEMS	11
6. MEDS	12
7. ORDERS	13
Order Checking	13
Order Sets	14
Quick Orders	14
Add New Orders screen	14
Signing Orders	15
Order Actions	16
Orders by Service/Type	18
Activity/Nursing/Free Text Orders	18
Consult Orders	18
Diet Orders	19
Imaging Orders	19
Lab Orders	19
Outpatient Med Orders	19
Inpatient Med Orders	19
Patient Care Orders	20
Vitals Orders	20
8. NOTES	21
9. CONSULTS	22
10.D/C SUMMARIES	23
11. LABS	24
12. REPORTS	25
13. CUSTOMIZING CPRS	26
14. HELPFUL HINTS	29
15. GLOSSARY	30
Acronyms	32

1. Introduction to CPRS

What is CPRS?

The Computerized Patient Record System (CPRS) V. 1.0 is a Veterans Health Information Systems and Technology Architecture (**VISTA**) product that presents a comprehensive view of a patient's clinical information in an action-oriented environment. CPRS integrates Adverse Reaction Tracking, Bed Control, Consults, Dietetics, Encounter Forms, Order Check Expert System, Inpatient Pharmacy, Laboratory, Order Entry, Outpatient Pharmacy, Problem List, Radiology/Nuclear Medicine, Registration, Scheduling, Text Integration Utilities, and Vitals. It organizes and presents all relevant data on a patient in a way that directly supports clinical decision-making. This data includes medical history and conditions, problems and diagnoses, diagnostic and therapeutic procedures, and interventions.

Features

- Time-delay capability for pre-admission, discharge, and transfer orders
- Complete Order Sets that can be pre-defined and personalized
- Order checking
- Orders integrated with progress notes, results, procedures, diagnosis, and Problem List
- Patient/Provider linkage
- Consistent, event-driven, windows-style clinical user interface

Intranet WWW Documentation

Documentation for this product is available on the intranet (World Wide Web) at the following address:

http://www.vista.med.va.gov/softserv/clin_bro.ad/cprs/index.html

GUI and Windows

GUI stands for Graphic User Interface, most frequently seen as Windows or the Macintosh screen. If you have already used programs with these screens, then the CPRS GUI screen will seem familiar to you. The CPRS GUI is only implemented on the Microsoft Windows platform at this time.

If you have little or no familiarity with Windows, you can browse through the Windows help file for information about the basics of using Windows. Also, see the next few pages for brief descriptions of some GUI features.

To access the Windows Help File, click the **Start** button in the taskbar and click **Help**. Use this help file as a reference whenever you have general questions about Windows. You can also select this file from the Tools menu in CPRS.

Introduction, cont'd

Windows

An “application window” is the area on your computer screen used by a program. If you have more than one program running at the same time, you can go from one program to another by clicking in each application window. You can also move, close, or minimize the application window to make room for another window. (See **Help** in Windows for further instructions on these functions.)

Pop-up Windows

These are “mini” windows that pop up within a window to provide or request information. Usually they require some action before they will go away. Clicking on buttons with the words <**Accept**>, <**Cancel**>, <**Exit**>, or something similar closes these windows.

Menus

Menus are shown in the gray bar near the top of the window. They are File, Edit, View, Tools, and Help — typical menus for most Windows applications. When you click on one of these, a list of options is displayed.

Tabs

CPRS tabs, placed across the bottom of the screen, represent the different components of a Patient Chart. When you click on one of these, a new window opens, with information and available actions for that subject. These tab windows are described in the following pages.

Help

Online help and documentation are available in several formats: context-sensitive help, Windows menu help, Internet Web documentation, CD-Rom tutorials, etc.

Context-sensitive Help

Use the F1 convention commonly used in Windows 95 applications to get help on screen elements (menus, names, labels, boxes).

Menu Help

Select the Help Menu at the top of the screen. A Table of Contents opens. Choose one of the contents, or type in a topic you want help on. A screen appears containing help about that subject.

2. Starting CPRS

Opening a patient record

1. Click the icon for CPRS.
2. Select CPRS or the name of the Server from the “Connect To” box (press the down-arrow on the List Box at the top, then select from the List that appears). Then click on the OK button.
3. Enter your Access and Verify codes in the next screen that appears.
Tab between the Access and Verify boxes (don't press Enter or Return).
4. Press the OK button.

Shortcut: Enter access code, semicolon (;), and verify code in the access code box.
(Example: ab1234;cd5678<Enter>)

Selecting a Patient

After you sign into CPRS, you see the Patient Selection screen.

Patient Selection

Patient List

☒ Default: 1A
☐ Providers
☐ Teams
☐ Specialties
☐ Clinics
☐ Wards
☐ All

Patients (1A)

Bell,Dumb
Dinero,Mucho
Disabilities,Rated
Doe,William C.
Feet,Smell E.
Hood,Robin
Jond,Bames
Macdonald,O.L.D.
Muffet,Littella M
New,Patent
Simpson,Homer
Smith,John
Smith,Jane
Trat,Jack
Winchester,Charles Emerson Iii
Zoro,Miguel

OK
Cancel

Save Patient List Settings

Notifications

ANDERSON, (A3456): SOAP - GENERAL NOTE OVERDUE for signature.
APPLESEED (A0999): Completed Consult PLM
APPLESEED (A0999): Clinic Visit: AMILGAP 44.09/21.09.42

Process Info Process All Process Selected

Selecting a Patient, cont'd

1. In the Patient Selection screen, select the category in which you want to search for a patient's record by clicking the radio button in front of the category (Default, Providers, Teams, Specialties, Clinics, Wards, or All).
2. In the list box below the radio button, click the item that narrows the search further (such as a specific ward).

If you select something other than the default, CPRS sorts the patient list and divides the list into two parts: Above the line are the names for the category and item you selected; below is a comprehensive list.

3. In the list box in the center of the screen, locate the patient's name (scrolling if necessary) and click it once.

When you click a name, the patient's full name, social security number, and other information appear on the right side of the dialog.

4. You can also enter the patient's name in any of the traditional **VISTA** formats (e.g., last initial and first four digits of the SSN).
5. Verify that you have selected the correct patient. If you have the correct patient, click OK. If the patient displayed is not the correct patient, repeats steps 3 and 4 until you find the right patient and then click OK.
6. When you click OK, CPRS opens to the Cover Sheet.

Notifications

Clinical Notifications are displayed on the bottom of the patient selection screen. Only notifications for *your* patients are shown. You or your clinical coordinator can set personal preferences or site parameters to determine what notifications you receive.

1. Double-click on a displayed notification to review it.
2. To take action on one or more notifications:
 - Click the Select Info button to read and delete Information notifications (items preceded by an "I.")
 - Click one or more notifications, then click on the Process button; you'll be able to process each notification sequentially.
 - Click the Select All button, then the Process button. Each notification will be presented to you sequentially for you to review and take action on.
 - Click the Forward button if you want to send the notification to someone else.

3. Cover Sheet

The CPRS Cover Sheet provides an overview and summary of a patient's medical record. Click on any item to get more detailed information. Features of the Cover Sheet are described below.

VistA CPRS in use by: Green,Joann (OERRDEMO-ALT)

Menu Bar: File Edit View Tools Help

Patient ID box: DOE, WILLIAM C. 243-23-6572 Sep 12, 1944 (54)

Provider/Encounter box: 1A A-2 Provider: GREEN,JOANN CURTTEAM / Defa,Tana Attending: Welby,Marcus

Postings (CWAD): Crisis Note Aug 20, 98; Crisis Note Jun 24, 98; Crisis Note Mar 11, 98; Crisis Note Jan 29, 98; Joel'S Second Test Note

Active Problems: \$ *Fibromyalgia; Skeezo; Asthma w/ Status Asthmat; \$ Interstitial Emphysema; Ob Ch Bronchitis w/O Exacerb

Allergies / Adverse Reactions: Amoxicillin; Aspirin; Milk; Erythromycin; Chroma-Pak Injection

Active Medications: No active medications found

Clinical Reminders: Influenza Vaccine Due Date Sep 22, 98

Lab Results - Past 30 Days: Lithium Blood Serum Sp Lb #1676 Sep 01, 98; Urea Nitrogen Blood Serum Sp Lb #1672 Sep 01, 98; Coagulation (pt & Ptt) Blood Plasma Sp Jul 31, 98

Vitals: T 98.6 May; P 72 May; R 40 May; BP 120/80 May; HT 72 Aug; WT 100 Aug

Appointments / Visits / Admissions: No appointments/admissions found

Tabs: Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports

Menus

Click on any of the following menu names on the menu bar to see more actions you can take. These menu items change according to the window you're in (e.g., Problems, Orders, Notes, etc.)

- File** You can select a new patient, update the provider or location, review/sign changes, or exit.
- Edit** Depending on the context, you can copy, cut, paste, or change Preferences.
- View** You can change the date range or other parameters to focus the screen items.
- Action** This menu contains actions you can take on orders, notes, problems, etc.
- Tools** This menu can contain links to other non-CPRS software or online (e.g., internet) information or tools.
- Help** Online help about using CPRS is available by clicking on this menu.

Cover Sheet, cont'd

Patient ID Box

Information about this patient is displayed when you click on it. You can also select a new patient by clicking on this box.

Provider/Encounter box

This box shows the location and primary provider for this patient. You can change any of the encounter/visit information by clicking on the box.

Patient Postings

These are Crisis Notes, Warnings, Adverse Reactions, and Directives (CWAD), usually recorded through the Progress Notes portion of Text Integration Utilities (TIU).

Tabs

To move to other sections of the chart, click on the tab for that section (e.g., Problems, Notes, or Labs).

Clinical Reminders

Clinical Reminders, introduced with Patient Care Encounter v1.0 (PCE), may be used to track and improve preventive health care for patients, by electronically reminding VA practitioners that specific actions such as examinations, immunizations, and mammograms should be performed by the clinician. A reminders definition uses a patient's age, sex, and medical history when evaluating when care was last given, when it is due next, and specific details about why the patient should or should not receive the care. Reminders can be defined to apply to all patients or to patients who have specific clinical findings.

4. Electronic Signature

An electronic signature is the private code that an authorized user types into the system after performing certain actions. For CPRS, it's used by clinicians entering orders. This signature has the same validity as the written signature on the chart.

Implementing electronic signature for CPRS is a three-step process:

1. The user must be defined as a provider in the NEW PERSON file.
2. The ORES key is assigned to users who have signature authority.
3. Users give themselves electronic signature codes.

☞ **NOTE:** Until ORES key holders have an electronic signature code, the system assumes that orders entered have been entered and manually signed “on chart”; orders are automatically released to the ancillary service for action.

Once ORES key holders have an electronic signature code, they will be prompted to enter the electronic signature after accepting the orders. If the electronic signature code is entered correctly, the orders are released to the services for action. If the electronic signature code is not entered, or is entered incorrectly, the orders are *not* released to the services for action, but are held in an unreleased/unsigned status. Key holders are given three chances to correctly enter their signature codes.

You may also sign orders before you leave the chart by selecting Sign from the Action menu or Review/Sign Orders from the File menu.

Electronic Signature Edit option

Key holders may enter or edit their electronic signature codes through the option, “Electronic Signature Edit,” on the User’s Toolbox menu. To change an existing code, the user must type in the current code and then enter the new one.

Review and Sign, per signature status, works as follows:

User has provider key only (med student): If there are notes the user can sign, the ES panel appears in Review/Sign Changes; otherwise it is hidden. Orders appear on the list with the checkbox greyed. If the ES is entered for documents, it is NOT applied to the orders.

User has OREMAS key: If users (clerks) have entered notes for which they are the author AND orders on behalf of a provider, TWO review screens will appear—one prompting for ES for the things the clerk can sign (a note), and one to allow the clerk to process the orders (mark signed on chart).

User has ORELSE key: Works the same as for clerks, but the user can also release the orders.

User has ORES key: Sees the review screen with the ES prompting, both for notes and orders.

5. Problems

The Problem List is used to document and track a patient's problems. It provides you with a current and historical view of the patient's health care problems across clinical specialties. It allows each identified problem to be traceable through the **VISTA** system in terms of treatment, test results, and outcome.

When you select the Problem tab, the patient's active problems are listed in the right-hand box. You can display inactive problems only, both active and inactive problems, and problems for a selected service or provider by changing your view through the View menu. You can add, change, inactivate, remove, verify, or annotate problems.

To add a new problem to a patient's problem list:

1. Click on the New Problem button.
2. Enter information about the problem in the dialog box that appears.

The screenshot shows the VistA CPRS interface. The title bar reads "VistA CPRS in use by: Green,Joann [OERRDEMO-ALT]". The menu bar includes File, Edit, View, Action, Tools, and Help. The patient information section displays "DOE, WILLIAM C." with ID "243-23-6572" and birth date "Sep 12, 1944 [54]". The provider is "GREEN, JOANN" and the attending physician is "Welby, Marcus". The system is "CIRN Data" and the posting is "CWAD".

The "View options" section on the left includes buttons for "Active", "Inactive", "Both active and inactive", and "Removed". The "Active Problems List" table on the right contains the following data:

Stat/Ver	Description	Onset Date	Last Update
A	SKEEZD	Oct 17,96	Oct 17,96
A (u)	INTERSTITIAL EMPHYSEMA		Oct 15,96
A (u)	OB CH BRONCHITIS W/O EXACERB		Oct 10,96
A (u)	ASTHMA W/ STATUS ASTHMAT		Oct 10,96
A * (u)	STRESS	Mar 04,96	Mar 04,96
A	Diabetes Mellitus, Non-Insulin-Dependent	May 25,95	Aug 23,95
A *	Lung Diseases, Obstructive	Jul 24,95	Aug 23,95
A	Hypertension	Nov 07,94	Nov 07,94

The bottom of the interface shows a tabbed menu with "Cover Sheet", "Problems", "Meds", "Orders", "Notes", "Consults", "D/C Summ", "Labs", and "Reports". The "Problems" tab is currently selected.

3. If you don't have a category of problems defined (see Problem List documentation), a Lexicon box pops up for a term to be entered and searched on.
4. Close the dialog box when finished. The problem will be shown on the Problem List in the right-hand box.

6. Meds

When you select the Meds tab, you can review both Outpatient and Inpatient Medications. The expiration date and refills remaining are shown for Outpatient Medications. You can change your display to show narrower views, such as specific statuses. You can also get a more detailed display of each order. You can order new medications by selecting New Medication from the Action menu or by going to the Orders tab.

The default order in which meds are displayed is by status, with active orders at the top.

View Choices:

- Active Medications
- Sort by VA Drug Class
- Details
- Expiring Medications
- Sort by Drug Name

Actions allowed:

- Change
- Renew
- Hold
- New Medication

VistA CPRS in use by: Green,Joann (OERRDEMO-ALT)

File Edit View Action Tools Help

HOOD,ROBIN 603-04-2591P Apr 25,1931 (67) **1A B-5** Provider: GREEN,JOANN GENMEDCLINICGREEN Attending: Anderson,Curt **CIRN Data** Postings **CWAD**

Outpatient Medications	Expires	Status
PHENYTOIN 50MG Qty: 60 for 60 days Sig: CHEW 2 TABLET(S) BY MOUTH EVERY DAY	Feb 24,99	Suspende

Inpatient Medications	Stop Date
METFORMIN HCL TAB Give: 500MG PO Q4H	
AMIKACIN INJ,SOLN Give: 10ML IM TID	
WARFARIN TAB Give: 10MG PO Q4H	
NEOMYCIN TAB Give: 500MG PO Q4H	

Cover Sheet Problems **Meds** Orders Notes Consults D/C Summ Labs Reports

7. Orders

When you click on the Orders tab at the bottom of the screen, you see a screen containing current orders for the selected patient.

In the box on the left are names of services or categories you can place orders for. Select one of these and an ordering dialog box appears on the lower half of the orders screen. As you specify conditions of the order, the order and its details appear in the orders screen above. See the section "Customizing CPRS" on page 26 for instructions on Customizing your order list.

VistA CPRS in use by: Green, Joann (OERRDEMO-ALT)

File Edit View Action Options Tools Help

HOOD, ROBIN **1A B-5** **GENMEDCLINICGREEN** **CIRN** **Postings**
 603-04-2591P Apr 25, 1931 (67) Provider: GREEN, JOANN Attending: Anderson, Curt Data **CWAD**

Order Sheet **All Services, Active Orders**

Service	Order	Start / Stop	Prov...	Nrs	Clk	Sts
Diet	REGULAR Diet	Start: 09/16/98	Andersc			a
IV Fluids	AMPHOTERICIN B INJ FOR IV ORDERS 25 MG in SODIUM INJ. SOLN FOR IV ORDERS 1000 ml 125 ml/hr	Start: 07/20/97 06:30 Stop: 07/23/97	Meldrun	MKB		a
Out. Med	Renew AMPICILLIN 250MG Take 1 CAPSULE(S) PO QD Quantity: 10 0 refills		Fromma			p
	Renew PHENYTOIN 50MG Quantity: 60 2 refills CHEW 2 TABLET(S) BY MOUTH EVERY DAY	Start: 03/14/98 Stop: 02/24/99	Fromma			a
	Renew DIGOXIN 0.25MG Quantity: 180 5 refills T1 TAB	Start: 01/23/98 Stop: 01/24/99	Andersc			a
	Renew NEOSTIGMINE 15MG Quantity: 60 5 refills TAKE 1 CAPSULE BY MOUTH EVERY MORNING WITH FOOD	Start: 01/23/98 Stop: 01/24/99	Ghost, C			a
	NICOTINE TRANSDERMAL PATCH 21MG Apply daily TOP DAILY Quantity: 1 11 refills Come in for supervision monthly	Start: 01/23/98 Stop: 01/16/99	Arcenei			a

Write Orders
 Add New Orders
 Diet
 Meds, Inpatient
 Meds, Outpatient
 IV Fluids
 Lab Tests
 Radiology
 Consult
 Procedure
 Vitals
 Text Only Order

Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports

NOTE: A + in front of a lab order indicates multiple times were selected for a test under How Often,.

Order Checking

Order checking, a component of order entry, is based on a system of rules, which review orders to see if they meet defined criteria. If they meet the criteria, an electronic message is sent to the ordering provider before the order is completed (such as duplicate order, drug-lab interaction, etc.). The provider can then choose to cancel the order or override the order check and place the order.

☞ **NOTE:** All order checks are exported disabled at the system level. When IRMS turns them on at the system level, they are then turned on for everyone. IRMS, Clinical Coordinators, individuals, or services can then disable individual order checks if they choose to.

Order Checking, cont'd

Order Checking performs checks while ordering is taking place. Before orders go to services such as Lab and Pharmacy, they are sent to Order Checking where the ordered item is evaluated by an expert system rule against data from patient files. If one or more of the designated rules of logic for that type of order is met, order check messages are presented to the clinician placing the order.

Order checks exported with CPRS

- ALLERGY-CONTRAST MEDIA INTERACTION
- ALLERGY-DRUG INTERACTION
- AMINOGLYCOSIDE ORDERED
- BIOCHEM ABNORMALITY FOR CONTRAST MEDIA
- CLOZAPINE APPROPRIATENESS
- CT & MRI PHYSICAL LIMITATIONS
- DISPENSE DRUG NOT SELECTED
- DRUG-DRUG INTERACTION
- DUPLICATE DRUG CLASS ORDER
- DUPLICATE DRUG ORDER
- DUPLICATE ORDER (Non-Med)
- ERROR MESSAGE
- ESTIMATED CREATININE CLEARANCE
- GLUCOPHAGE-CONTRAST MEDIA
- LAB ORDER FREQ RESTRICTIONS
- MISSING LAB TESTS FOR ANGIOGRAM PROCEDURE
- ORDER CHECKING NOT AVAILABLE
- POLYPHARMACY
- RECENT BARIUM STUDY
- RECENT ORAL CHOLECYSTOGRAM
- RENAL FUNCTIONS OVER AGE 65

Quick Orders

Some commonly ordered items have been set up so that you don't have to fill in any details or conditions about the order; you simply click on the order name and the rest is automatically completed for you. You can create quick orders for yourself by choosing Save as Quick Order from the Options menu, after you have gone through the process of placing an order the normal way by filling in all the boxes.

Order Sets

Order sets are comprised of a group of related quick orders. The purpose is to minimize the number of prompts to answer for a common protocol or set of orders.

See the CPRS Set-Up Guide for instructions about creating order sets. If your site has created order sets (e.g., for admission orders, pre-op orders, etc.), you can select one from the Add Orders screen.

"Add New Orders"

Your site may set up a screen of orderable items similar to the OE/RR 2.5 Add New Orders screen. If this is called *Add New Orders*, select this from the Write Orders box. You will then see a screen similar to following, depending on what your site has set up. Items with arrows in front of them are Quick Orders.

Signing Orders

When you exit the patient chart, you are prompted to sign your orders. You may exit and sign later, if necessary. You may also sign orders before you leave the chart by selecting Sign from the Action menu or Review/Sign Orders from the File menu.

- ☞ **NOTE:** if you are not set up for electronic signature, see the Electronic Signature section earlier in this guide or check with your clinical coordinator.

Order Actions

Action	Description
Change	Inpatient Medications allows editing of orders while they are still pending. Other service/sections require the old order to be "DC'd" (cancelled) and a new order to be added, if the original was incorrect. Changed orders appear on the Review Screen as DC'd orders, along with the new order.
Copy to New Order	This is a shortcut that allows you to copy an order, rather than having to completely write a new order. This action is useful for when hospital policy requires that new orders be written periodically, or when orders are discontinued for ward transfers.
Renew	If allowed by the service (usually only Pharmacy), you can renew/reinstate order(s) that have been discontinued.
Discontinue/Cancel	Lets you discontinue orders that haven't been released to the service yet or that hasn't expired yet. After you request that an order be discontinued, you must electronically sign it or indicate that it's been signed on the chart. It will then show up on the "New/Unsigned Orders" screen as a discontinued order. If an order is discontinued by the service, a notification will be triggered that the order (for discontinuation) requires a chart signature.
Hold	You can place an Order on hold, preventing further processing until "unhold" action or expiration of order. Not all packages may allow their orders to be placed on hold; Pharmacy orders may be placed on hold, but Lab orders can't.
Release Hold	This action allows an order to continue its processing.
Renew	Some orders can be renewed using this action.
Alert When Results	Allows you to be alerted when results are available for an order.
Flag	This action lets you place a notice that the order needs clarification or further instructions.
Unflag	Takes the flag off after clarification or instructions are received.
Ward Comments	You can add ward comments about an order; these will be displayed on the Details screen.
Sign Selected	This lets you sign an order electronically by entering your electronic signature code, or indicate that the order was signed on-chart.

Order Views

View	Description
Chart Tab	If you select Chart Tab, you are given a list of the tab you'd like to change to. This is an alternate way from selecting the tabs at the bottom of the screen.
Active Orders	You can change your view to only display active orders.
Expiring Orders	Only expiring orders will be displayed when you select this view.
Unsigned Orders	Only unsigned orders will be displayed when you select this view.
Custom Order List	This allows you to create a customized list based on dates and types of orders.
Details	More information about the selected order is displayed.
Results	Allows you to view results for an order.

Orders by Service/Type

Patient Movement

You can order patient movements — Admit, Transfer, Discharge, and Treating Specialty changes— with this order type.

Activity/Nursing Orders /Free Text Orders

Parameters, Activity, Patient Care, and Free Text orders are different kinds of orders that are placed for nursing and ward staff to take action on. They **print only at the patient's ward/ location, and are not transmitted electronically to be completed by other Services.**

Consult or Procedure Orders

You can order consults and make procedure requests from the Orders tab or from the Consults tab.

1. Select the Service/Specialty from the All Services hierarchy displayed in the left panel.
2. Fill in the following boxes (required unless stated as optional):
 - Reason for Consult
 - Inpatient or Outpatient
 - Urgency
 - Place of Consultation
 - Attention (optional; this is the person the consult is directed to in the service you selected.)
 - Provisional Diagnosis (optional)
3. Click on the Accept Order or Quit button. If you click on Quit, it will ask if you want to accept the order. If you accept the order, it is added to the list of orders, and you will be prompted to sign when you leave the patient's chart.
4. You can perform other actions, such as hold, discontinue/cancel,

Diets

This option allows the entry of any of the following:

Diet Order	Additional Orders
NPO	NPO Now
Early/Late Tray	NPO at Midnight
Tubefeeding	Isolation/Precautions

Imaging

1. Select an imaging type (General Radiology, CT Scan, MRI, Nuclear Medicine, etc.) from the selection box. The ordering dialog box then appears.
2. Select Modifiers, exam date, History & Reason for Exam, etc. All required fields must be filled in. If one is left unanswered, you'll receive a message.
3. Click on Accept Order.

Orders, cont'd

Lab

1. Select Lab Tests from the Write Orders panel.
2. Select one of the available lab tests.
You can order many tests as quick orders (i.e., you don't have to enter collection times, urgencies, or other conditions), depending on what your site has set up.
3. If this isn't a quick order, type the name or select one of the choices from the scroll-down box for Collect Sample, Specimen, Urgency, Collection time, and How Often. **NOTE:** If you select multiple times for a test under How Often, a + will appear in front of this test on the Orders screen.
4. If patient will be sent to the lab, click this button.
5. Click the Accept Orders or Quit button.

Outpatient Meds

You can order Meds either through the Orders tab or the Meds tab.

1. Select Meds, Outpatient from the Write Orders column.
2. Type in the medication name.
3. Select the medication formulation from the box below.
4. Choose the dispense drug.

 **NOTE: Dispense drug is optional, but for Order Checking to occur, it must be entered.**

5. Enter instructions by typing in **the number of units** to be taken.
6. Enter Route. (Automatically defaults to the common route for this drug).
7. Enter Schedule (optional). Answer this prompt **only** if the prescription dose or duration is limited to a certain number of days and **will not** be renewed or otherwise continued, e.g., ascending/ descending dosages and time-limited meds such as antibiotics.
8. Enter the dispense Quantity needed. For Discharge medications, calculate the units to be dispensed (one month's supply if no duration). For a Pass, type in the exact number, based on duration.
9. Enter Refills. This prompt must be answered. Enter 0 if no refills are desired.
10. Enter the method of delivery (WINDOW (automatic default), clinic or mail).
11. Click on the Accept Order or Quit buttons. You will be prompted to sign when you exit the patient chart.


Inpatient Meds

1. Select Meds, Inpatient from the Write Orders column.
2. Type in the medication name.
3. Select the medication formulation.
4. Choose the dispense drug.
5. Type in the **total dosage** desired using **Uppercase**, e.g., **325MG**.
6. Enter Route. (Automatically defaults to the common route for this drug).
7. Enter schedule, e.g., QID. Now select the routine administration times for the schedule, e.g., 9a-1p-5p-9p. Use caution when entering schedule. **Use ALL uppercase, Use H for hour(s), and leave a space between time and PRN, e.g., Q4-6H PRN.**
8. Type in provider comments, if any, e.g., X 7 days, or special instructions.

Orders, cont'd

Inpatient Meds, cont'd

9. Click on the Accept Order or Quit buttons. You will be prompted to sign when you exit the patient chart.

 **Hint:** Separate orders are required for meds with different dosages, such as 2 MG AM and 4 MG HS.

Patient Care Orders

Patient Care orders are another kind of Nursing free-text orders for ward staff. These **print only at the patient's ward/location**. Patient Care orders include skin and wound care, drains, oxygen therapy, etc. Pre-defined nursing orders (quick orders) are available under various sub-menus. Nursing orders may also be composed by selecting the Text Only option from the Add Order Screen (AD). These orders require the unit staff to take action to complete the request. No other departments receive these orders.

Vitals

Vitals can be ordered from the Vitals box on the Cover Sheet or from the Orders tab. You can order all of the normal Nursing Vital Measurements, including height, weight, blood pressure, pulse, etc.

To order Vitals:

1. Select Vitals from the Write Orders column.
2. Select the kind of measurement you wish from the list in the ordering dialog box.
3. Enter the schedule, a start time, and a stop time. When you select the stop time button, a calendar appears for you to check on.
4. Enter additional instructions, if desired.
5. Click on the Accept button.

8. Notes

When you select the Notes tab, you can view a Progress Note for a selected date.

- If you wish to write a new progress note, click on the New Note button.

Vista CPRS in use by: Green,Joann (OERRDEMO-ALT)

File Edit View Action Tools Help

HOOD,ROBIN 1A B-5 GENMEDCLINICGREEN CIRM Postings
 603-04-2591P Apr 25,1931 (67) Provider: GREEN,JOANN Attending: Anderson,Curl Data CWAD

Last 15 Notes Aug 10,98 PULMONARY CS CONSULT, PULMONARY CLINIC, Joel E. Russell, B.S.

Aug 10,98 PULMONARY CS CONSULT
 Aug 07,98 MEDICINE CS CONSULT
 Aug 07,98 Joel's Test Note
 Jul 30,98 + CRISIS NOTE
 Jul 21,98 Joel's Test Note
 Jul 13,98 PULMONARY CS CONSULT
 Jun 25,98 SURGERY CS CONSULT
 Jun 25,98 SURGERY CS CONSULT
 Jun 24,98 MEDICINE CS CONSULT
 Jun 22,98 + SURGERY CS CONSULT
 Jun 22,98 Joel's Test Note
 Jun 17,98 Joel's Test Note
 Jun 16,98 Joel's Test Note

NEW NOTE
ENCOUNTER
ORDERS

TITLE: PULMONARY CS CONSULT
DATE OF NOTE: AUG 10, 1998@07:30 **ENTRY DATE: AUG 10, 1998**
AUTHOR: RUSSELL,JOEL **EXP COSIGNER:**
URGENCY: **STATUS: COMPLETED**

At the time I went to examine Mr. Hood, he was acutely bronchospastic and in moderately severe respiratory distress. I delivered a puff of albuterol with an Aerochamber; his technique was poor. I then instructed him and delivered an additional puff of albuterol which he did with good technique. He was improved and with a normal lung exam within a few seconds (though wheezes were still present on forced expiration).

Mr. Hood's regimen is lacking in inhaled corticosteroids. Recognizing that asthma is an inflammatory process, inhaled steroids are important in controlling the inflammatory response. My prescription for severely out-of-control asthmatics is to use high-dose inhaled corticosteroids.

Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports

- Boilerplate (template) capabilities, such as SOAP (subjective, objective, assessment, and plan), are available to help you create progress notes more readily. You can also use embedded objects to bring in information from other VISTA programs. In addition, you can cut and paste from lab results, the Problem List, or other online information, to complete your Notes.
- If you are writing a note for an outpatient visit, an Encounter Form screen appears, which lets you enter all the required data (Provider, diagnosis, procedure, etc.) for patient visits. This is linked to TIU (Text Integration Utilities) and the Ambulatory Care Data Capture programs, so that information entered here provides workload credit.

NOTE: You can't file encounter data on inpatients; that's why the encounter button is grayed out for inpatients.

Progress Notes is a component of TIU, which can be accessed for individual patients through CPRS, or for multiple patients through the TIU interface.

9. Consults

The Consult/Request Tracking package provides an efficient mechanism for clinicians to order consults and procedures. It also allows hospital services to update and track the progress of a consult/procedure request from the point of receipt through its final resolution. This reporting includes doctor's notes and comments entered by other care providers involved with the request. The Consults package is closely integrated with CPRS, so that as the orders are processed through to completion, the status of the orders is updated on CPRS review screens and comments are viewable from CPRS. Also, most consults actions are available from the CPRS Consults tab. The request and results then become part of the patient's computerized medical record.

Many Consults actions must be performed through the TIU or Consults/Request Tracking programs (in List Manager). For example, occasionally a consult result is linked to the wrong consult. Information on how to make corrections on these, as well as detailed instructions on all Consults actions is contained in the Consult/Request Tracking documentation.

Consult ordering screen:

Order a consult

Consult to Service/Specialty

- All Services
 - Cardiology
 - Gastroenterology
 - Geriatrics
 - Marcia'S Specialty
 - Medicine Visc
 - Neurology
 - Pharmacy Service
 - Surgery

Reason for Consult

Service rendered on ☒ Inpatient or ☐ Outpatient basis

Urgency: ROUTINE Place of Consultation: Bedside

Attention: Provisional Diagnosis:

This is a GROUPER-only service. Please select another.

Accept Order Quit

10. D/C Summaries

Discharge Summaries entered through TIU can be displayed, edited, and signed through CPRS. If you wish to work with more than one patient's summary, you must go through the TIU interface in List Manager.

1. Click on the D/C Summaries tab. The Discharge Summary screen appears.
2. Select a discharge summary from the list in the panel on the left of the screen (if any discharge summaries have been entered for this patient).
3. **or** Click the New Summary button to write a new discharge summary.
4. If you wish to edit, save, or sign this discharge summary, select an action from the Action menu.

VistA CPRS in use by: Green, Joann (OERRDEMO-ALT)

File Edit View Action Tools Help

HOOD, ROBIN 603-04-2591P Apr 25, 1931 (67) 1A B-5 Provider: GREEN, JOANN GENMEDCLINICGREEN Attending: Anderson, Curt Data Postings CWAD

Last 15 Summaries Sep 16, 98 + Disch Sep 16, 98 Discha May 30, 97 Discha May 30, 97 + Disch Nov 15, 96 Discha May 28, 96 Discha May 22, 96 Discha May 22, 96 Discha Mar 26, 96 + Disch Dec 22, 94 Discha Mar 05, 92 ERROR Mar 05, 92 ERROR

+ Discharge Summary, 1A, Joel E. Russell, BS, MS, Geek, Turkey &c (completed)

TITLE: Discharge Summary
DICT DATE: SEP 23, 1997 ENTRY DATE: SEP 23, 1997@11:3
DICTATED BY: RUSSELL, JOEL ATTENDING: RUSSELL, JOEL
URGENCY: routine STATUS: COMPLETED

*** Discharge Summary Has ADDENDA ***

DIAGNOSIS:
Testing TIU*1.0*3 again.

OPERATIONS/PROCEDURES:
/es/ Joel E. Russell. MS

New Summary

Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports

See TIU documentation for more information about Discharge Summaries.

11. Labs

You can display lab results in many ways:

- by time ranges
- by specific components of lab (chemistry, microbiology, etc.)
- by cumulative or interim reports
- by worksheets
- by graphs

VistA CPRS in use by: Green, Joann (OERRDEMO-ALT)

File Edit View Tools Help

HOOD, ROBIN 603-04-2591P Apr 25, 1931 (67) **1A B-5** Provider: GREEN, JOANN GENMEDCLINICGREEN Attending: Anderson, Curt **CIRN** Data Postings **CWAD**

Lab Results

- Most Recent
- Cumulative
- All Tests by Date
- Selected Tests by I
- Worksheet
- Graph
- Microbiology
- Anatomic Pathology
- Blood Bank

Laboratory Results - Most Recent

Oldest Previous: Collected ext. Newest

<< < **Sep 16, 1998 16:18** > >> **Most Recent Lab Result**

Test	Result	Flag	Units	Ref Range
GLUCOSE	333	H*	mg/dL	60 - 123

Specimen: SERUM; Accession: CH 0916 65; Provider: ANDERSON, CURT

KEY: "L" = Abnormal Low, "H" = Abnormal High, "*" = Critical Value

Cover Sheet Problems Meds Orders Notes Consults D/C Summ Labs Reports

12. Reports

Many reports are available through CPRS, including

- Health Summaries,
- Imaging
- Blood Bank Report
- Anatomic Path Report
- Dietetics Profile
- Nutritional Assessment
- Vitals Cumulative
- Procedures

These can be printed on your screen or at printers designated by your site.

If you choose Health Summary, you can then specify a Type that you have defined at your site.

The screenshot displays the VistA CPRS interface. The title bar reads "VistA CPRS in use by: Green,Joann (DERRDEMO-ALT)". The menu bar includes File, Edit, View, Tools, and Help. The patient information bar shows "HOOD,ROBIN", "603-04-2591P", "Apr 25,1931 (67)", "1A B-5", "Provider: GREEN,JOANN", "GENMEDCLINICGREEN", "Attending: Anderson,Curl", "CIRN Data", "Postings", and "CWAD". The "Available Reports" list on the left includes Health Summary, Imaging, Lab Status, Blood Bank Report, Anatomic Path Report, Dietetics Profile, Nutritional Assessment, Vitals Cumulative, Procedures, and Daily Order Summary. The "Types" list includes GMTS HS ADHOC OPTION, SAMPLE 1, SAMPLE 2, ALBANY HS (selected), and SAMPLE 4. The main report area displays "Health Summary Type: ALBANY HS" and a "CONFIDENTIAL HEALTH SUMMARY SUMMARY" for patient "HOOD,ROBIN 603-04-2591P 1A B-5". The report content includes a "DEM - Demographics" section with the following information: Address: QUAIL CREEK APT #21, 50 N. HIPPOPOTAMUS LANE, NE QUADRANT, BOSTON, MASSACHUSETTS 82115; Phone: (blank); Marital Status: NEVER MARRIED; Age: (blank); Religion: UNITARIAN; UNIVERSALIST; Sex: (blank); Occupation: COMPUTER SCIENTIST; Period of Service: VIETNAM ERA; Combat: N; and POW: (blank). The bottom of the interface features a tabbed menu with "Cover Sheet", "Problems", "Meds", "Orders", "Notes", "Consults", "D/C Summ", "Labs", and "Reports".

For more information about printer set-ups (or other print issues) and customizing reports, see your clinical coordinator.

13. Customizing CPRS

CPRS provides several ways to customize it to your needs:

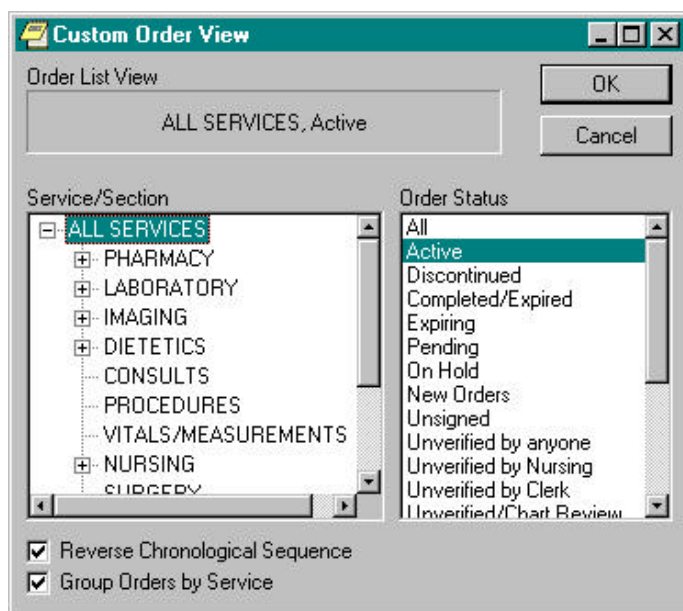
- Order List
- Patient selection defaults
- Personal and patient team lists
- Print formats
- Notifications
- Font size on screens
- Lab order displays
- Lab results displays
- Order checks
- Quick orders
- Tools menu

Custom Order List

By default, CPRS shows all active, pending, unreleased, ed/edit, and renewed orders for all services. You can customize the order list to show you particular kinds of orders.

You can customize your view of the list by choosing any of the following criteria.:

- A grouper or individual service (Grouper services have other services underneath them and your selection will include all of those services if the grouper is selected.)
- The order type (such as all, active, pending, unsigned, expiring, unverified by clerk, and so on)
- Chronological order (with the most recent order first)



Custom Order List, cont'd

To create a custom order list for the selected patient, follow these steps:

1. Click the Orders tab.
2. Select View | Custom Order List....
3. In the Custom Order View dialog, click the desired grouper or individual service.
4. Click the desired type of order.
5. Choose whether you want the entries in reverse chronological sequence.
6. Choose whether you want the orders grouped by service.
7. Click OK.

Personal Preferences

You can change many of the parameters that control the way CPRS works for you. The Personal Preferences Menu on your Clinician Menu (in List Manager) contains sub-menus that allow you to change

- notifications and order checking messages you receive
- team or personal lists
- default patient names to appear automatically when you open CPRS.

Disable a Notification Example

You can disable any notification that isn't designated as mandatory by your site.

```
Select Personal Preferences Option: NO Notification Mgmt Menu

  1      Enable/Disable My Notifications
  2      Erase All of My Notifications
  3      Set Notification Display Sort Method (GUI)
  4      Send me a MailMan bulletin for Flagged Orders
  5      Show Me the Notifications I Can Receive
  6      Set Surrogate to Receive My Notifications

You have PENDING ALERTS
      Enter "VA VIEW ALERTS      to review alerts

Select Notification Mgmt Menu Option: 1 Enable/Disable My Notifications
                                     Enable/Disable My Notifications
-----
----- Setting      for User: GREEN,JOANN -----
Select Notification: LAB RESULTS
Are you adding LAB RESULTS as a new Notification? Yes// <Enter> YES

Notification: LAB RESULTS// <Enter> LAB RESULTS LAB RESULTS

Value: Disabled
Select Notification: <Enter>
```

Customizing CPRS, cont'd

Team lists

A team list is a list containing patients related to several providers. These providers are the list's users. You may create a new team list or add autolinks, users, or patients to an existing team list. Autolinks automatically add or remove patients with ADT movements. Users on the list may receive notifications regarding patients on the same list. Please prefix your list name with TEAM or SERVICE (e.g. TEAM7B, SERVICECARDIOLOGY.)

Tools Menu

You can have your clinical coordinator add non-**VISTA** items to this menu. Word processors, *Outlines in Clinical Medicine*, or other clinical guidelines documents, spreadsheets, etc. are all possible additions, for ready access to useful tools for your clinical practice.

14. Helpful Hints

Q: *How can I get immediate help about something I'm trying to do in CPRS?*

A: You can go to the Help menu and select a topic from the Table of Contents or Index. You can also right-click on your mouse on most screens and a window appears that contains available actions and also “What’s this?” which provides help when you click on it. (Soon, you’ll be able to select the F4 key, then position the ? on a screen element, and a pop-up window will provide instructions.

Q: *How do I activate an order?*

A: After completing all the steps for ordering, click the Accept Order button. Some orders require signatures or verification before they can be acted upon.

Q: *How do I sign an order?*

A: You can sign an order immediately after placing it, after placing all orders for a particular service, or after you have placed all orders during a working session.

- To sign after all lab orders are entered (or meds, diets, or imaging), select “Sign” from the Action menu (at the top of the screen or by clicking the right button on your mouse).
- To sign after entering all orders, simply click the Accept Orders button after each set of orders for different services, then when you exit the patient’s chart, a pop-up window will ask you to enter your electronic signature or save the order to be signed later (a notification will be created for unsigned orders).

Q: *How do I turn off notifications I don’t want to see?*

A: You can turn off many notifications through your Personal Preferences menu (in List Manager). Most notifications are determined by teams you belong to or by your VAMC policies. Check with your clinical coordinator if you’re receiving notifications (or order checks) you don’t believe you should be receiving and that you can’t turn off yourself.

Q: *How do I find a progress note I wrote a year ago?*

A: From the View Menu, pick Signed Notes by Author or Signed Notes by Date Range. When a pop-up box appears, enter the desired date range, then enter the desired order (ascending or descending).

Q: *Where do you enter comments on an order?*

A: You can add them under Ward Comments (on the Action menu), under the Flag action, or in a Notification.

15. Glossary

+ (plus sign)

A plus sign in front of a lab order indicates that the test will be performed multiple times, as selected in the "How Often" box.

ASU

Authorization/Subscription Utility, a **VISTA** package (initially released with TIU) that allows VAMCs to assign privileges such as who can do what in ordering, signing, releasing orders, etc.

Clinical Reminders

Clinical Reminders, introduced with Patient Care Encounter v1.0 (PCE), may be used to track and improve preventive health care for patients, by electronically reminding VA practitioners that specific actions such as examinations, immunizations, and mammograms should be performed by the clinician. A reminders definition uses a patient's age, sex, and medical history when evaluating when care was last given, when it is due next, and specific details about why the patient should or should not receive the care. Reminders can be defined to apply to all patients or to patients who have specific clinical findings. For example, the influenza vaccine is generally given to patients who are 65 or older. However, some patients fall into high-risk categories and should be given the vaccine at any age. The details of a reminder describe why the patient is at high risk and should be given the vaccine.

PCE exported 40 pre-defined Clinical Reminders, including Diabetic Foot Examination, Seat Belt Education, Influenza Vaccine, Fecal Occult Blood Test, Cholesterol Screen, Tobacco Cessation Education, and Alcohol Abuse Education. In addition to the pre-defined clinical reminders, facilities may create site-specific clinical reminders based on preferences specified by clinic, provider, facility, and VISN.

With the emphasis on preventive care, Clinical Reminders are used to comply with requirements established for VISN directors' performance criteria, clinical practice guidelines, and national standards such as those defined by the VA's National Center for Health Promotion and JCAHO accreditation evaluations.

Consults

Consult/Request Tracking, a **VISTA** package commonly known as Consults, is a component of CPRS. Consults can function as part of CPRS, independently as a stand-alone package (for management purposes only), or as part of TIU.

Cover Sheet

The CPRS patient chart screen that displays an overview of the patient's record, with tabs at the bottom representing components of a patient's chart.

CPRS

Computerized Patient Record System, the **VISTA** package (in both GUI and character-based formats) that provides access to most components of the patient chart.

Glossary, cont'd

CWAD

CWAD, also known as Postings, is a component of the CPRS that presents information on Crises, Warnings, Adverse Reactions, or Advance Directives about a patient.

D/C Summaries

Discharge Summaries are a component of the patient chart and also part of TIU.

GUI

Graphical User Interface—a Windows-like screen that uses pull-down menus, icons, pointer devices, and other metaphor-type elements that can make a computer program more understandable, easier to use, allow multi-processing (more than one window or process available at once), etc.

Health Summary

A **VISTA** package that pulls selected components of data from other **VISTA** packages to present a summary of a patient's health care, including clinical reminders. It can be viewed through CPRS reports.

Imaging

A **VISTA** program and a component of the patient chart that includes Radiology procedures, X-rays, and Nuclear Medicine. Also refers to the **VISTA** Imaging package, a program that can graphically display various tests and procedures.

Notifications

Notifications are a specialized kind of alert regarding patients or a patient's orders. These appear on the CPRS patient selection screen and can be acted upon from there. They can be tied to team patient lists.

OE/RR

Order Entry/Results Reporting, a **VISTA** package that evolved into the more comprehensive CPRS.

Postings

A component of the patient chart that includes critical messages about a patient; an expanded version of CWAD (see above).

Progress Notes

A component of TIU which functions as part of CPRS. Progress Notes are clinicians' textual records of a patient's status at the time of an encounter.

Reports

A component of the patient chart that includes health summaries, action profiles, and other summarized reports of patient care.

TIU

Text Integration Utilities; a **VISTA** package for document handling, that includes Consults, Discharge Summary, and Progress Notes, and sometimes other document types such as surgical op reports. TIU components can be accessed for individual patients through the CPRS, or for multiple patients through the TIU interface.

Glossary, cont'd

VISTA

Veterans Health Information Systems and Technology Architecture, formerly known as DHCP, the comprehensive, integrated computer system used in the VA Medical Centers.

VA and VISTA Acronyms

Acronym	Meaning
AAC	Austin Automation Center
AACS	Automated Allocation & Control System
AC	Ambulatory Care
ACG	Ambulatory Care Group (from Provider Profiling Project – VISN 20)
ACIS	Ambulatory Care Information System (formerly PACE)
ACOS	American College of Surgeons
ACRP	Ambulatory Care Reporting Project
ADP	Automated Data Processing
ADPAC	Automated Data Processing Application Coordinator
AEMS	Automated Medical Equipment Reporting System (Engineering)
AICS	Automated Information Collection System v.3.0
AMIA	American Medical Informatics Association
AMIE	Automated Medical Information Exchange
AMIS	Automated Management Information System
ANSI	American National Standards Institute
ANSOS	a Nursing Scheduling COTS
AP	Anatomic Pathology
API	Application Programming Interface
AR	Accounts Receivable
ART	Adverse Reaction Tracking V. 4.0, formerly Allergy Tracking System
AR/WS	Automatic Replenishment/Ward Stock (a Pharmacy module)
ASI	Addictive Substance Interview
ASU	Authorization/Subscription Utility
BBS	Bulletin Board System
BDK	Broker Development Kit
BEST	Business Enterprise Solutions & Technologies Service
C&P	Compensation & Pension
CAC	Clinical Application Coordinator
CAIRO	Center for Applied Research and Operations
CALM	Centralized Accounting for Local Mgmt (replaced by FMS)
CAT	Computerized Axial Tomography
CBOC	Community Based Outpatient Clinics
CIO	Chief Information Officer
CIOFO	Chief Information Office Field Office
CIRN	Clinical Information Resources Network

Acronym	Meaning
CMOP	Consolidated Mail Outpatient Pharmacy
CMR	Consolidated Memorandum of Receipt Official (new official for IFCAP w/Eqpmt Turn-In/Request Module)
COD	Clinical Objects Dictionary (w/b nat'l VHA std vocab for clin concepts)
COS	Chief of Staff
COTS	Commercial Off-the-shelf products
CPRS	Computerized Patient Record System - formerly OE/RR
CPT	Current Procedural Terminology
CPU	Central Processing Unit
DEA	Drug Enforcement Agency
DHCP	Decentralized Hospital Computer Program Dynamic Host Control/Configuration/Communication Protocol
D&PPM	Drug and Pharmaceutical Products Mgmt V. 2.0
DLL	Dynamic Link Library (file)
DMMS	Decentralized Medical Management System
DNS	Domain Name Service (for locating Internet addresses)
DOB	Date of Birth
DoD	Department of Defense
DOD	Date of Death
DOM	VA Domiciliary
DPC	Austin Data Processing Center
DSM	Digital Standard MUMPS
DSM-IV	Diagnostic & Statistical Manual of Mental Disorders, 4th edition
DSS	Decision Support System
DSS	Document Storage Systems (vendor)
DUE	Drug Use Evaluation
EDR	Event Driven Reporting
E3R	Electronic Error and Enhancement Report (on Forum)
EIS	Executive Information System
EPI	Emerging Pathogens Initiative
EUCLID	a site-developed (Boise VAMC) computerized patient record system
FIPS	Federal Information Processing Standards
FIRMAC	Field Information Resource Mgmt Advisory Committee
FM	VA FileMan
FMS	Financial Management System
FTEE	Full-time Employee Equivalent
FTP	File Transfer Protocol
GAO	General Accounting Office
G-CPRS	Government Computerized Patient Record System, a VA, DOD, HIS project to integrate the automated patient record
GRECC	Geriatric Research, Education and Clinical Center
GUI	Graphical User Interface
HBHC	Hospital-Based Home Care
HCFA	Health Care Financing Administration
HEC	Health Eligibility Center

Acronym	Meaning
HIMSS	Health Information Management System Society
HINQ	Hospital INquiry
HL7	Health Level 7, an international communications protocol. Also refers to the VISTA infrastructure package, which facilitates use of this messaging system.
HLLP	Hybrid Lower Level Protocol
HOST	Hybrid Open Systems Technology
HSR&D	Health Services Research & Development
IB	Integrated Billing
ICD-9	International Classification of Diseases, 9th ed.
ICR	Immunology Case Registry
IDCU	Integrated Data Communications Utility
IFCAP	Integrated Funds Distribution, Control Point Activity
IG	Inspector General
IHS	Indian Health Service or Integrated Hospital System (HOST)
IP	Internet Protocol
IRA	Initial Request Analysis
IRM	Information Resources Management
IRT	Incomplete Record Tracking
IVM	Income Verification Matching
JCAHO	Joint Commission on Accreditation of Hospitals
KIDS	Kernel Installation & Distribution System
LEDI	Laboratory Electronic Data Interchange (a new module of Lab that allows labs to send data to each other)
LOINC	Logical Obsvtn Id'r Nms & Codes (standard scheme for coding Lab tests)
MAR	Medical Administration Record(s)
MAS	Medical Administration Service - now PIMS
MCCR	Medical Care Cost Recovery
MDC	M Development Committee
MediPhor	Clinical workstation commercial product - HOST
MIME	Multimedia Internet Mail Extensions
MIS	Medical Information Section
MISD	Management Infrastructure Development (Albany, San Francisco, Wash DC CIO Field Offices)
MIT	Means Test Indication
MPD	Minimal Patient Dataset
MPI	Master Patient Index (was Master Veteran Record)
MRT	Medical Record Technician
MRTS	Messaging Routing and Translation System
MSM	Micronetics Standard MUMPS (replaced by OpenM/Avanti)
MUMPS	Massachusetts General Hospital Utility Multiprogramming (now M)
MVR	Master Veteran Record (now Master Patient Index)
NANDA	Nursing terminology coding scheme
NDF	National Drug File
NLT	National Laboratory Test

Acronym	Meaning
NOIS	National On-line Information Sharing system
NPCDB	National Patient Care Data Base
NPF	New Person File
NTEO	National Training & Education Office (of OCIO)
NVS	National VISTA Support (formerly Customer Support), part of Customer Services
ODBC	Open Database Connectivity
OE/RR	Order Entry / Results Reporting - now CPRS
OIG	Office of Inspector General
OPC	Outpatient Clinic
PAID	Personnel & Accounting Integrated Data
PANDAS	Patient Encounter Data Acquisition System
PCE	Patient Care Encounter
PCHS	Federal equipment purchasing contract
PCMM	Primary Care Management Module
PDM	Pharmacy Data Management
PDX	Patient Data Exchange
PFOP	Personal Funds of Patients
PGY 1-10	Medical student status defined by Academic Affairs
PIMS	Patient Info Mgmt System (?) - formerly MAS (AD/R) & SD
PL	Problem List
PM&R	Physical Medicine & Rehabilitation Services
PMIS	Patient Medication Information Sheet
PN	Progress Notes
PPP	Pharmacy Prescription Practices/Package
PRD	Product Requirements Document
PRS	Procurement of Automated Information Resources Solutions
PTF	Patient Treatment File
QUIC	Quality Improvement Checklist
RAM	Random Access Memory
ROES	Remote Order Entry System
RPC	Remote Procedure Call
SCD	Spinal Cord Dysfunction Registry
SISP	(VHA) Strategic Information Systems Plan
SNOMED	Systematized Nomenclature of Medicine
SOAP	Strategic Objective Assessment Plan for patient treatment plan
SP	Surgical Pathology
SQL	Structured Query Language
SRS	Software Requirement Specification
T&A	Time and Attendance
T&L	Time & Leave Unit
TCP/IP	Transmission Control Protocol/Internet Protocol
TIU	Text Integration Utilities
UCI	User Class Identification: a computing area or account
UD	Unit Dose Pharmacy

Acronym	Meaning
UI	Universal Interface, replacement system for Lab's LSI)
UMLS	Universal Medical Language System
UR	Utilization Review
VA	Department of Veterans Affairs
VACO	VA Central Office (headquarters)
VADDC	VA Denver Distribution Center
VALNET	VA Library Network
VARO	VA Regional Office
VHA	Veterans Health Administration
VIC	Veterans Identification Card
VISN	Veterans Integrated Service Network(s)
VISTA	Veterans Health Information System & Technology Architecture
VS	Vital Signs
WLN	Western Library Network
WWW	World Wide Web
YOB	Year of Birth